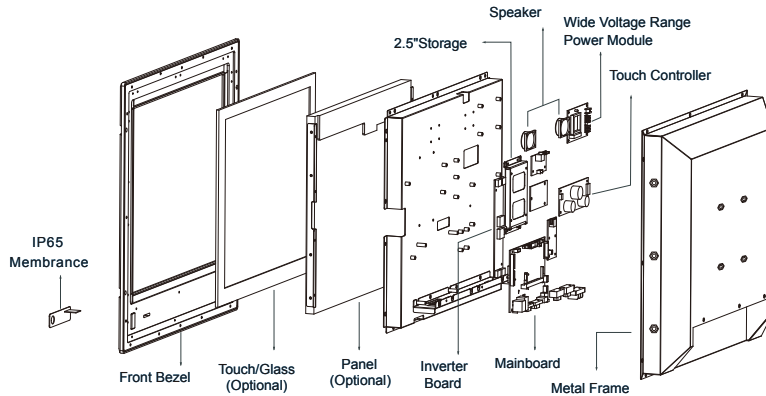
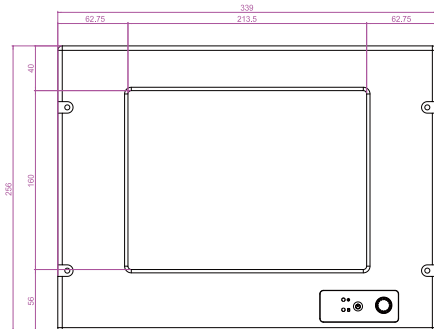
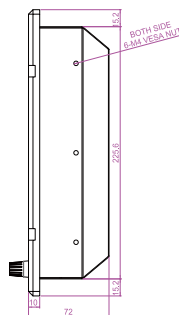




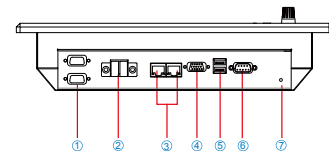
**Modularized Construction**



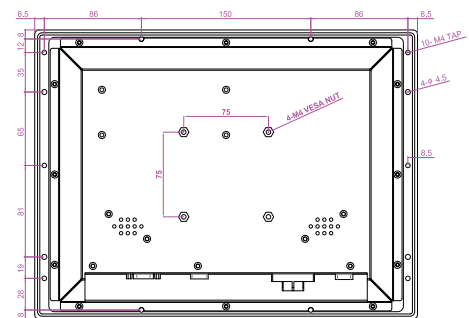
**FRONT VIEW**



**SIDE VIEW**



1. RS232
2. 9-36V DC Terminal Block
3. RJ45
4. VGA
5. USB2.0
6. RS232/422/485
7. GND



**BACK VIEW**

★ Note: this is a simplified drawing and some components are not marked in detail. Please contact our sales representative if you need further product information.

## TFT Characteristics :

|                     |                             |
|---------------------|-----------------------------|
| Pixel Number        | : 800 x 600                 |
| Pixel Pitch(R&B)    | : 0.264 (H) x 0.264 (V) mm  |
| Contrast Ratio      | : 500:1(typ.)               |
| Panel Brightness    | : 400cd/m2 (typ.)           |
| Viewable Angle      | : -80 ~ 80(H) ; -60~80(V)   |
| Active Display Area | : 211.2 (H) x 158.4 (V) mm  |
| Max Colors          | : 16.2 (M) / 8 bit / colors |

## SBC Specifications :

|                 |                                              |
|-----------------|----------------------------------------------|
| Processor       | : Intel® Atom Dual Core N2600 1.6GHz         |
| BIOS            | : AMI 4Mbit Flash                            |
| System Chipset  | : Intel® NM10 express chipset                |
| Memory Slot     | : 1 x DDR3 800/1066MHz SODIMM, (Max 4GB)     |
| Graphic Chipset | : Intel® Graphic Accelerator 3650            |
| Storage         | : 1 x SATA2, 1 x Mini PCIe slot (mSATA SSD)  |
| Ethernet        | : 2x RJ-45(1000 Gigabit Ethernet Compatible) |
| VGA             | : 1x VGA Connector                           |
| Audio           | : Realtek ALC886 HD Audio Codec              |
| USB Ports       | : 6 x USB 2.0 (4 x USB by pin-header)        |
| Serial Ports    | : 4 x RS232, 1 x RS232/422/485               |
| DVI             | : 1 x DVI by 2x10 DB-13 wafer connector      |

## Power Specifications :

|                      |                                                           |
|----------------------|-----------------------------------------------------------|
| Power Supply Options | : 9 to 36 V DC power supply with Terminal block (Default) |
| Power Consumption    | : 35 W typical, normal operation                          |

## Mechanical and Environmental

|                       |                                                          |
|-----------------------|----------------------------------------------------------|
| Mechanical Mounting   | : Panel (Flush) mount with IP66 , VESA, Bracket mounting |
| Operating Temperature | : -15 to 55 deg.                                         |
| Operating Humidity    | : 5% to 95%(non condensing)                              |
| Anti-Vibration        | : 5Hz~500Hz / 1Grms / 3 Axis                             |
| Anti-Shock            | : 15G, 11ms duration                                     |
| *SAW touch for IP54   |                                                          |

## Input / Output Connectors

|                            |                                |
|----------------------------|--------------------------------|
| Ethernet LAN               | : 2 x RJ45-10/100/1000 Mbps    |
| COM                        | : 2 x RS232, 1 x RS232/422/485 |
| USB                        | : 2 x USB Type-A receptable    |
| VGA                        | : 1 x VGA 15P DSUB (female)    |
| DC Power                   | : 1 x DC Terminal block        |
| *Not support Pull and Plug |                                |

## Available Options

|                         |                                                          |
|-------------------------|----------------------------------------------------------|
| Touch Screen Options    | : SAW, 5 Wire Resistive                                  |
| AR Safety Glass Options | : 3mm Anti-reflective protection glass                   |
| Bracket Stand options   | : Yes(One robust bracket can adjust from -10 to 30 deg.) |
| Secondary SSD           | : up to 256 GB mSATA SSD                                 |

## Certification and Approvals

• CE, FCC, DNV2.4



Note: All Specifications are subject to change without prior notice!

Revised Date: 18-Nov-2019 V1.2

## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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